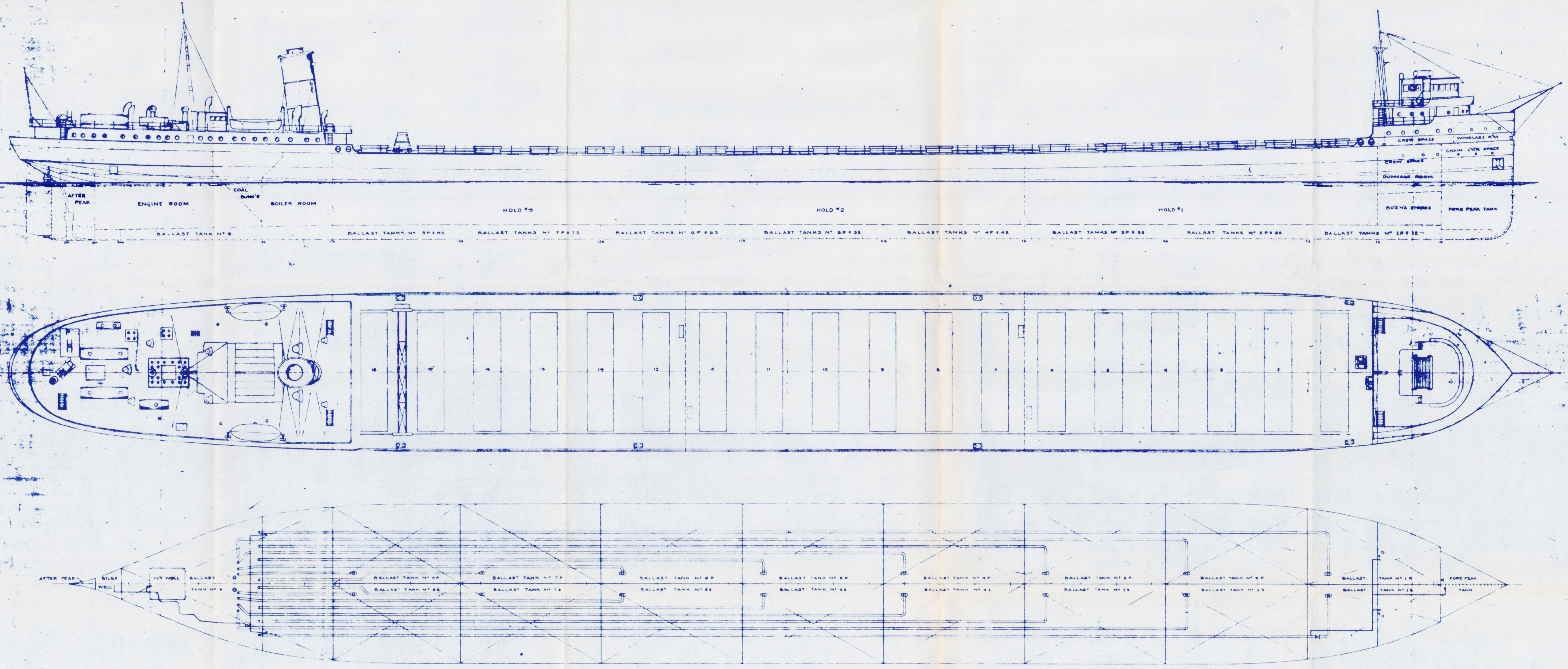
IRVING S. OLDS
USS



Principal Dimensions

LENGTH OVER ALL	639 FT - 5½"
LENGTH BETWEEN PERPENDICULARS	614 FT - 0"
BEAM - EXTREME - OVER FENDERS	67 FT - 4½"
BEAM - MOULDED	67 FT - 0"
DEPTH - MOULDED - TO SPAR DECK	35 FT - 0"

CARGO CAPACITIES (INCLUDING HATCHES)

BOILERS FULL - NO CREW, COAL, WATER OR STORES ON BOARD

MEAN DRAFT IN FEET	COAL IN TONS OF 2000# SELF TRIM	TONS PER INCH @ 2000#	IRON ORE IN TONS OF 2240#	TONS PER INCH @ 2240#	WHEAT IN BUSHELS @ 60#	CORN & RYE IN BUSHELS @ 56#	BARLEY IN BUSHELS @ 48#	OATS IN BUSHELS @ 32#
[illegible]	HOLDS FULL	97.[illegible]	18,0[illegible]	87.13	HOLDS FULL	HOLDS FULL	HOLDS FULL	HOLDS FULL
[illegible]	[illegible]	97.[illegible]	17,0[illegible]	87.02	[illegible]	514,386 BU.	514,386 BU.	514,386 BU.
22	DRAFT	97.[illegible]	16,01[illegible]	86.91	DRAFT	DRAFT	DRAFT	DRAFT
21	20'-4"	97.12	14,972	86.71	19'-10"	18'-11½"	17'-4½"	13'-7⅞"
20	15,620	96.89	13,94[illegible]	86.51				
19	14470	96.66	12,919	86.30	482,2[illegible]			
18	13,290	96.46	11,8[illegible]	86.09	442,99[illegible]	474,453		
17	12120	96.18	10,8[illegible]	85.87	404,[illegible]	433,041	505,457	
16	10,960	95.98	92[illegible]	85.64	365,3[illegible]	391,[illegible]	456,[illegible]	
15	[illegible]	95.67	8[illegible]	85.42	[illegible]	[illegible]	40[illegible]	
14	[illegible]	[illegible]	7741	85.19	[illegible]	[illegible],519	3[illegible]	
13	7720	95.14	6714	84.95	2[illegible]	268,464	313,388	470,000
12	6[illegible]	94.80	5[illegible]	84.64	212,[illegible]	227,5[illegible]	265,[illegible]	398,4[illegible]
11	[illegible]	94.45	4678	84.33	174,[illegible]	187,0[illegible]	21[illegible]	327,500
10	4110	94.09	3669	84.01	13[illegible]	146,727	171,264	256,875
9	[illegible]	93.67	2669	83.65	99,[illegible]	106,743	124,593	186,875
8	18[illegible]	93.22	16[illegible]	83.23	[illegible]	67,116	78,349	117,500
7	[illegible]	92.73	[illegible]	82.79	25,45[illegible]	27,311	31,878	47,813

FOR DISPLACEMENT CURVE AND CURVE OF TONS PER INCH SEE CURVES OF FORM DRWG.
FOR EACH TON OF BUNKER COAL, WATER, BALLAST, FRESH WATER AND STORES DEDUCT (AT ANY MEAN DRAFT) FROM CAPACITIES SHOWN - FOR IRON ORE 0.8929 TONS, FOR WHEAT [illegible], FOR CORN OR RYE 35.71 BU., FOR BARLEY 41.[illegible] BU., FOR OATS 62.[illegible] BU.

TANK CAPACITIES

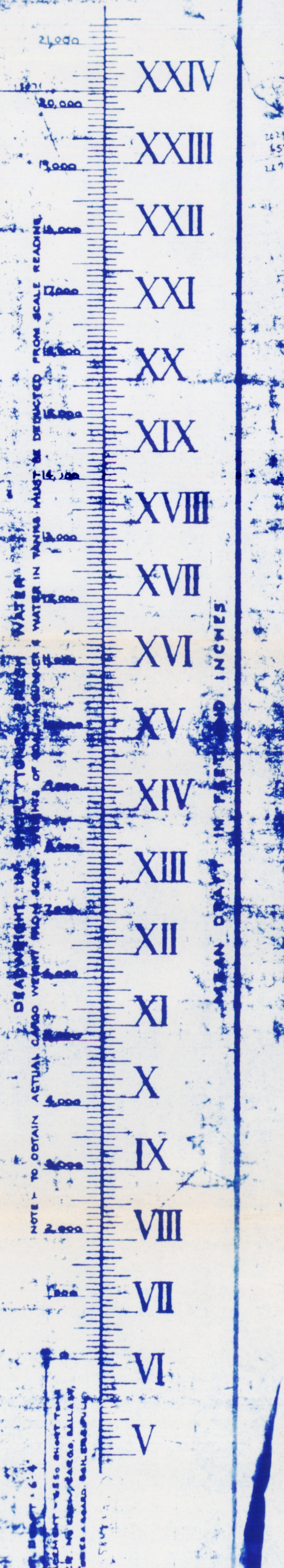
	COMPARTMENT	FRAMES OF LOCATION	CUBIC FEET	FRESH WATER SHORT TONS	GALLONS
WATER BALLAST & TRIM	FORE PEAK TANK	[illegible]	16,102	50[illegible]	
	BALLAST TANK Nº 1 P	19-[illegible]	19,076	596.13	
	BALLAST TANK Nº 1 S	19-[illegible]	19,076	596.13	
	BALLAST TANK Nº 2 P	30-[illegible]	22,790	712.36	
	BALLAST TANK Nº 2 S	30-[illegible]	22,796	712.36	
	BALLAST TANK Nº 3 P	50-[illegible]	22,[illegible]	699.38	
	BALLAST TANK Nº 3 S	50-[illegible]	22,[illegible]	699.38	
	BALLAST TANK Nº 4 P	70-[illegible]	21,[illegible]	685.20	
	BALLAST TANK Nº 4 S	70-[illegible]	21,[illegible]	685.20	
	BALLAST TANK Nº 5 P	90-118	21,7[illegible]	679.47	
	BALLAST TANK Nº 5 S	90-1[illegible]	21,7[illegible]	679.47	
	BALLAST TANK Nº 6 P	118-1[illegible]	21,754	679.82	
	BALLAST TANK Nº 6 S	118-1[illegible]	21,754	679.82	
	BALLAST TANK Nº 7 P	13[illegible]	22,007	687.72	
	BALLAST TANK Nº 7 S	13[illegible]	22,007	687.72	
	BALLAST TANK Nº 8 P	15[illegible]	20,813	650.42	
	BALLAST TANK Nº 8 S	15[illegible]	20,813	650.42	
	BALLAST TANK Nº 9 (P&S)	176-1[illegible]	23,324	728.87	
	AFTER PEAK	210-218	3,073	96.03	
FRESH WATER	F.W. TANK-P	AFT [illegible]	375		2805
	F.W. TANK-S		375		2805
	F.W. TANK		67		501
MISC.	BILGE WELL	206 210	272		
	MAKE UP FEED WATER	171 182	1,085		8114
TOTALS (BALLAST & TRIM)			387,488	12109.04	

TANK CAPACITIES ARE NET MOULDED VOLUME WITH 2 PER CENT DEDUCTED FOR STRUCTURE. FRESH WATER TAKEN AT 62.5 LBS. PER CU. FT., 32 CU. FT PER SHORT TON OF 2000 LBS. 1 GALLON = 231 CU. IN. 1 CU. FT. = 7.48 GALLONS.

HOLD CAPACITIES

COMPARTMENT	FRAME Nº	CUBIC FEET NET	CUBIC FEET SELF TRIM	BUSHELS OF GRAIN	SHORT TONS COAL	SHORT TONS IRON ORE	LONG TONS COAL	LONG TONS IRON ORE
HOLD Nº 1	28-78	2[illegible]	212,618	[illegible]	5,315	34,019	4,746	3[illegible]
HOLD Nº 2	78-126	216,204	200,972	161,481	5,024	32,156	4,486	28,710
HOLD Nº 3	126-176	225,746	209,564	1[illegible]	5,239	33,530	4,677	29,9[illegible]
COAL BUNKER	186-193		24,934		594		542	
HATCHES		17,028	17,028	[illegible]	426		380	
TOTALS NOT INCLUDING COAL BUNKER		[illegible]	640,182	[illegible]	16,004	99,705	14,289	89,022

NET CAPACITIES ARE NET MOULDED VOLUME WITH ½ OF 1 PER CENT DEDUCTED FOR STRUCTURE. GRAIN, COAL AND IRON ORE ASSUMED AS SELF TRIM. ANGLE OF REPOSE OF ALL CARGO TAKEN AS 35°. GRAIN TAKEN AT 0.8035 BUSHELS PER CUBIC FOOT. IRON ORE TAKEN AT [illegible] CU. FT PER SHORT TON OF 2000 LBS AND 7.0 CU. FT PER LONG TON OF 2240 LBS. COAL IN HOLDS TAKEN AT 40 CU. FT. PER SHORT TON OF [illegible] LBS AND 44.8 CU. FT. PER LONG TON OF 2240 LBS. BUNKER COAL TAKEN AT 42 CU. FT. PER SHORT TON OF 2000 LBS AND 46 CU. FT. PER LONG TON OF 2240 LBS.



STEAMERS
"IRVING S. OLDS"
"BENJAMIN F. FAIRLESS"
BUILT AT LORAIN
THE AMERICAN SHIP BUILDING Cº
CLEVELAND OHIO
1942

SCALE = 1/16" = 1 FT.

THE AMERICAN SHIP BUILDING COMPANY
CLEVELAND OHIO U.S.A.

NEW DRAWING NO.
LOR 824-5-H- 5-9-0
TUBE NO. ✓

SPARE